OTC Control Strategy Committee Meeting - October 5, 2005

Control Measure Name	Control Measure description	Affected Pollutants
Institutional, Commercial, Industrial Boiler RACT		NOx, SOx, PM
Cement Kiln RACT		NOx, PM
MWC RACT		NOx, SOx, PM
DG (small diesel generators - on or off grid)		NOx, SOx, PM
Peaking Units	peak day controls	NOx, SOx, PM
Refinery RACT	measures as defined by MARAMA	NOx, SOx, VOC
Clean Corridors	retrofit, anti-idling, truck stop electricfication, APUs	NOx, SOx, PM
Regional Fuel	regional RFG	VOC, Nox
Reduced Sulfur Home Heating Oil	lower sulfur diesel for homes and businesses	PM, SOx
Cutback asphalt & emulsified sealer	year-round ban, low emulsified limits	voc
Arch. Indust. Maintenance CoatingsPhase II	South Coast Air Quality Mgmt District (SCAQMD) levels and categories	VOC
Consumer Products Phase II	SCAQMD levels and categories	VOC
Open Burning	regional ban	PM, VOC
Residential Wood Burning	stove trade-outs, controls	PM, VOC
OTC Multi-Pollutant Program	NOx and SOx cap beyond CAIR	NOx, SOx, PM

		Po	llutant	Affe	cted
Control Measure	Affected Sources	NOx	voc	SO <sub>2</sub>	PM-2
Combustion Area Source Control Measure List					
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	Small, mid-size, and large				
	industrial/commercial/institutional/reside ntial boilers - all fuel types (≥ 0.75				
Boiler RACM	MMBTU/hr).	Х			Х
	Addresses process heaters and dryers				
	(all fuels) used for printing, annealing,				
Furnace RACM	mineral drying etc.	Χ			Χ
	Asphalt plants, concrete batch plants,				
	limestone and stone				
	quarrying/crushing, and sand and				.,
Mineral products manufacture RACM	gravel operations.	Х		<u> </u>	Χ
	Includes ICE electric generating units				
D:	and micro turbines (generally 5 MW or	.,		.,	.,
Distributed Generation	less in size).	Х		Х	Χ
	All nonagricultural and forrest				
Open burning - ban burn barrels	management open burning sources.	Х	Х	Х	Х

Industrial/Commercial (IC) Engine RACT  State of the product of th	funicipal waste combustors  flineral Process Industries, Generator ets  mall and mid-size idustrial/commercial boilers (≥ 0.75  IMBTU/hr).  ddresses natural gas-fired process eaters and dryers in multiple SCC's sed for printing, annealing, mineral rying etc.  CC 305. Includes manufacturers of sphalt, cement, brick, concrete, berglass, glass, lime; stone uarrying/crushing; and sand and ravel operations.  mall electric generating units (<15 or 5 MW). Many existing units are diesel enerators. Some participate in the SO demand response program and upply the grid; others supply a facility	x x x		X X X	x
Industrial/Commercial (IC) Engine RACT  Solier RACT  Boiler RACT  Furnace RACT  Mineral products manufacture RACT (Possibly limit to fit asphalt processing, glass, cement and lime manufacturing)  Screen and sc	mall and mid-size idustrial/commercial boilers (≥ 0.75 IMBTU/hr).  ddresses natural gas-fired process eaters and dryers in multiple SCC's sed for printing, annealing, mineral rying etc.  CC 305. Includes manufacturers of sphalt, cement, brick, concrete, berglass, glass, lime; stone uarrying/crushing; and sand and ravel operations.  mall electric generating units (<15 or 5 MW). Many existing units are diesel enerators. Some participate in the GO demand response program and	x x		х	
Soiler RACT  Months and the second se	mall and mid-size adustrial/commercial boilers (≥ 0.75 IMBTU/hr).  ddresses natural gas-fired process eaters and dryers in multiple SCC's sed for printing, annealing, mineral rying etc.  CC 305. Includes manufacturers of sphalt, cement, brick, concrete, berglass, glass, lime; stone uarrying/crushing; and sand and ravel operations.  mall electric generating units (<15 or 5 MW). Many existing units are diesel enerators. Some participate in the SO demand response program and	x x		х	
Boiler RACT  And he was a second seco	Idustrial/commercial boilers (≥ 0.75 IMBTU/hr).  ddresses natural gas-fired process eaters and dryers in multiple SCC's sed for printing, annealing, mineral rying etc.  CC 305. Includes manufacturers of sphalt, cement, brick, concrete, berglass, glass, lime; stone uarrying/crushing; and sand and ravel operations.  mall electric generating units (<15 or 5 MW). Many existing units are diesel enerators. Some participate in the SO demand response program and	x			x
Furnace RACT  Furnace RACT  Mineral products manufacture RACT (Possibly limit to asphalt processing, glass, cement and lime manufacturing)  Signature  Furnace RACT  Mineral products manufacture RACT (Possibly limit to fit asphalt processing, glass, cement and lime quantification of the processing graph of the processing graph is sufficient to the processing processing processing graph of the processing processing graph is sufficient to the processing processing processing processing processing processing graph is sufficient to the processing pr	IMBTU/hr).  ddresses natural gas-fired process eaters and dryers in multiple SCC's sed for printing, annealing, mineral rying etc.  CC 305. Includes manufacturers of sphalt, cement, brick, concrete, berglass, glass, lime; stone uarrying/crushing; and sand and ravel operations.  mall electric generating units (<15 or 5 MW). Many existing units are diesel enerators. Some participate in the SO demand response program and	x			x
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Mineral products manufacture RACT (Possibly limit to fit asphalt processing, glass, cement and lime manufacturing)  Sr 25 ge IS Emissions reductions for distributed generators  IC 42 er pa pr Peaking unit NOx reductions on ozone action days  Entire the service of the service	CC 305. Includes manufacturers of sphalt, cement, brick, concrete, berglass, glass, lime; stone uarrying/crushing; and sand and ravel operations.  mall electric generating units (<15 or 5 MW). Many existing units are diesel enerators. Some participate in the 60 demand response program and	х		Х	Х
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Emissions reductions for distributed generators in  10  2 er pc pr Peaking unit NOx reductions on ozone action days  Example 15					
Peaking unit NOx reductions on ozone action days  Enter the second section is the second	i times of peak demand.	х		Х	Х
er par preaking unit NOx reductions on ozone action days  Example 1   1   2   2   2   2   2   2   2   2		<del>                                     </del>		<u> </u>	┿
Peaking unit NOx reductions on ozone action days  Enter the second second section is perfectly a second section is perfectly and the se	CE and jet engines that generate 25MW and have very high NOx				
Peaking unit NOx reductions on ozone action days  Expel th	missions. Many of these engines				
Peaking unit NOx reductions on ozone action days  Expel th	articipate in an ISO demand response				
Peaking unit NOx reductions on ozone action days IS Exel th	rogram and run when called on by the				
E) el th	SO.	x			
el th	xisting buildings. Measures reduce	^			+
th	lectric requirements and thereby limit				
	ne need for additional small distributed				
ge	enerators.	х		x	X
	cherators.			<u>^</u>	┿
Ire	on and Steel Production operations				
	icluding coke production, ore sintering				
	cluding coke production, ore sintering, nd refining: other primary and	1 1			
Primary and Secondary Metals se	cluding coke production, ore sintering, nd refining; other primary and econdary metals including primary and		Х	х	x

VOC Point Source Control Measures List			
Surface Coation Operations	various manufacturers performing		
Surface Coating Operations	surface coating operations	X	
	Includes all paper manufacturers including those not covered in the		
Pulp and Paper and Wood Products	Federal NESHAP rule	x	
Petroleum Refineries	petroleum refineries	х	
Pharmaceutical Manufacturing	pharmaceutical plants	х	
Chemical Manufacturing		х	
Printing/Publishing		х	
Biofiltration of tanks	Storage Tanks	X	
Effluent Stripping	POTW	X	
More VOC contol in process and tank vents	Refineries	X	

VOC Area Source Control Measure List			
Restrict VOC content to 25 g/l	Solvent Cleaning and Degreasing	X	Х
Changeout program or accelerate the use of new			
portable fuel containers	Portable Fuel Containers	X	
California reactivity-based regulations	Aerosol Paints	X	
Ban cut back asphalt	Cut back asphalt	Х	
Ban VOC-containing pesticides on high ozone days	Pesticides	X	

Use of low or no VOC materials (RACT Level controls				
for small graphic arts sources)	Graphic Arts		Χ	
Set limits for VOC content of industrial adhesives	Industrial Adhesives		Χ	
	Bakeries (non-major source)		Χ	
Addition of trees to parking lots to keep cars cool on				
hot days	Parking Lots		Χ	
Increase the frequency of inspections to once per	Stage II Vapor Recovery at gasoline			
year & improve quality	dispensing stations		Χ	
	Stationary Source Fuel Combustion-			
	Residential	Χ	Χ	
	Solvent Utilization: consumer,			
	commercial, and industrial		Χ	
add categories, decreas solvent content	AIM Coatings		Х	
add categories, decreas solvent content	Consumer Products		Χ	
	_			
	Gasoline Dispensing - All other areas		Χ	